**Birthday Party**

**Problem**

At a birthday party, one-half drank only lemonade, one-third drank only cola, fifteen people drank neither, and nobody drinks both.

How many people were at the party?

Problem ID: 274 (21 Apr 2006)     Difficulty: 1 Star

#### Solution

As 1/2 + 1/3 = 3/6 + 2/6 = 5/6, we know that 1/6 drank neither.

So there must have been 6 times15 = 90 people at the party.